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# Graduate School

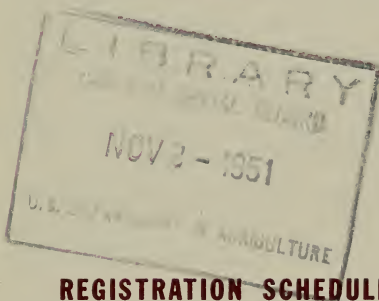
*Spring Semester*

## Schedule of Classes

1950-51



30th Year



### REGISTRATION SCHEDULE

**TIME:** Jan. 27, 9 to 4

Jan. 29-Feb. 2, 9 to 6:30

Feb. 3, 9 to 4

Late registration fee charged after  
February 3

**PLACE:** The Patio, Administration Bldg.  
U. S. Department of Agriculture

# Class Schedule and Supplement

## *to 1950-51 Bulletin*

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**Complete details**, including rules and regulations, policies, and course descriptions, are given in the **1950-51 Bulletin**, a copy of which may be obtained by writing or by calling in person. **Please do not telephone.** Counselors and training officers of your agency have a copy which you may examine.

**Additional courses:** The School welcomes suggestions for courses not included in this Schedule and will make every effort to organize courses for which there is sufficient interest. Address suggestions to the Registrar.

**Counseling** on courses and programs of study is available at all times. Members of the School Staff are glad to assist students in planning their work.

**Registration:** begins January 27 (The Patio, Administration Building, Department of Agriculture). See schedule of hours on front cover. No one will be registered for credit after February 16, except with special permission of instructor and Registrar. Registration closes in a course when the maximum for that class is reached.

**Late registration:** After February 3, a \$2.00 per course late registration fee will be charged.

**Business office,** Room 1031, South Agriculture Building. Hours: 9:00 a.m. to 6:20 p.m., Monday through Friday.

**Textbooks:** Sold in Room 1041, South Agriculture Building

Jan. 27 and Feb. 3	9:00 to 4:00
Jan. 29-Feb. 2	1:00 to 6:30
Feb. 5-Feb. 9	1:00 to 7:00

**Refund** of fees, less \$3.00 registration fee, may be granted in case of withdrawal before 6:20 p.m., February 16. After this date no refunds will be approved unless the student is compelled to leave Washington because of official governmental action.

**Room schedules** will be given at the time of registration.

**Classes begin** during week of February 5, end May 18. All classes meet in the evening, unless otherwise indicated.

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**Explanation:** Basic information about each course is given in the following order: course number, title, semester hours of credit, instructor, day and hour of class meeting, fee, and page of **1950-51 Bulletin** on which description may be found. The first half and the second half of a course are indicated by **A** and **B** respectively.

## ACCOUNTING

- 6-352A. Principles of Accounting—First Half (3) Marshall Tu 6-9 and Th 6-7 \$24 p. 77  
6-352B. Principles of Accounting—Second Half (3) Rowe M 6-9 and W 6-7 \$24 p. 78  
6-353B. Intermediate Accounting—Second Half (3) Hord M 6-9 \$24 p. 78  
6-354. Federal Government Accounting (3) Mason W 6-9 \$24 p. 78  
6-423. Mathematics of Accounting and Investment (3) Botts Th 6-9 \$27 p. 79  
6-510. Analysis and Interpretation of Financial Statements (2) Acker Tu 6-8 \$18 p. 79  
6-693B. Auditing (2) Cooper M 6-8 \$18 p. 79

## ADMINISTRATION AND ADMINISTRATIVE TECHNIQUES

### BUDGETARY AND FISCAL MANAGEMENT

- 4-101. Business Mathematics (2) L. Rhodes W 6-8 \$16 p. 47  
4-110. Federal Auditing Procedure (2) Selinsky W 6-8 \$16 p. 48  
4-210. Advanced Federal Auditing Procedure (2) Collins Tu 6:15-8:15 \$16 p. 48  
4-112. Federal Accounting Procedure (3) Tierney Tu 6-9 \$24 p. 48  
4-116. Federal Budgetary Procedure (2) McWhorter Tu 6-8 \$16 p. 49  
4-122. Federal Payroll Procedure (2) Krueger Th 6-8 \$16 p. 49  
6-636. Budgetary and Financial Administration: Budget Execution (2) Wheeler and Staff Th 6-8 \$18 p. 71

### GENERAL ADMINISTRATION

- 4-108. Administrative Procedure (2) Hickey M 6-8 \$16 p. 47  
4-208. Advanced Administrative Procedure (2) Sherman Tu 6-8 \$16 p. 47  
4-217. Advanced Records Management (2) Luttrell, Lando Tu 6-8 \$16 p. 50  
6-341. American National Government (2) Small W 6-8 \$16 p. 67  
6-344. Introduction to Public Administration (3) Brown W 6-9 \$24 p. 67  
6-405B. Principles and Techniques of O&M Work (2) Levine, Young W 6-8 \$18 p. 70  
4-413. Office Management (2) Braum M 6-8 \$18 p. 51  
4-421. Writing Procedures and Instructions (2) Allsman, Pearson M 6-8 \$18 p. 51  
6-519. Work Standards and Work Measurement (2) McKillop, Williams Tu 6-8 \$18 p. 68  
6-540. Application of Scientific Management in Public Enterprise (3) Ward W 6:15-9:15 \$27 p. 67  
6-545. Top Executive Leadership in Public Administration (3) Corson M 6-9 \$27 p. 68  
6-400. Administrative Operations for Congressional Assistants (2) Adams W 6-8 \$18 p. 69  
6-600. Readings and Papers in Public Administration (3) Thurston To be arranged \$27 p. 68

### LEGAL ADMINISTRATION

- 6-422B. Business Law (2) E. Johnson Tu 6-8 \$18 p. 78  
6-425. Legal Aspects of Investigation—Criminal Evidence and Procedure (2) Koebel M 6-8 \$18 p. 74

- 6-480. Copyright Law (2) Smith W 6:30-8:30 \$18 p. 75  
 6-820. Problems of Federal Administrative Regulation (2) Flavin M 6-8 \$18 p. 75

### PERSONNEL MANAGEMENT

- 4-114. Federal Personnel Procedure (2) Mohagen M 6-8 \$16 p. 50  
 4-214. Advanced Federal Personnel Procedure (2) Peterson Th 6-8 \$16 p. 50  
 6-430. Public Personnel Administration (2) Couch W 6-8 \$18 p. 72  
 6-437. Tests and Measurements (2) McAdoo Tu 6-8 \$18 p. 72  
 6-444. Position Classification (2) Laxton, Findlay Tu 6-8 \$18 (Combines courses 445 and 446, p. 73)

### PROCUREMENT AND PROPERTY MANAGEMENT

- 6-455. Management of Governmental Supply (2) Scammahorn M 6-8 \$18 p. 75

### ARTS

- 8-334. Modern Painting (2) Richards Tu 6-8 \$16 p. 111  
 8-321. Pencil Sketching and Freehand Drawing (2) Cadmus M-W 6-8 \$24 p. 111  
 8-320. Water Color Painting (2) Lyon M-Th 6-8 \$24 p. 111

### BIOLOGICAL SCIENCES

- 1-320. Human Physiology<sup>1</sup> (4) To be announced M-Th 6:30-9:00 \$32 and \$10 laboratory fee p. 19  
 1-300. Fundamentals of Entomology (3) Sailer W 6-9 \$24 p. 19  
 1-620. Advances in Weed Control Practices (2) Lovvorn, Evans and Specialists M 6-8 \$18 p. 20  
 1-608. Advances in Human and Animal Nutrition (2) Howe and Specialists Tu 6:30-8:30 \$18 p. 20  
 1-702. Radioisotopes and High Energy Radiation in Biology (2) Shaw, S. Hendricks and Specialists M 6:30-8:30 \$18 p. 21

### LANGUAGES AND LITERATURE

#### ENGLISH AND LITERATURE

- 2-118. Practical English Usage (2) Samson Th 6-8 \$16 p. 23  
 2-119. Vocabulary Building (2) Murphy Th 6-8 \$16 p. 23  
 4-120. Government Letter Writing (2) Samson F 6-8 \$16 p. 51  
 2-222A. English Composition (3) Miller Tu 6-9 \$24 p. 22  
 2-222B. English Composition (3) Tenney Tu 6-9 \$24 p. 22  
 2-223. Descriptive English Grammar (2) Harmian Th 6-8 \$16 p. 23  
 2-330B. Great Books (2) Ruppert W 6:30-8:30 \$16 p. 23

#### SPEECH

- 2-229. Public Speaking (2) Beauchamp M 6-8 \$16 and \$1.50 laboratory fee p. 24  
 2-232. Voice and Remedial Speech (2) Emery Tu 6:15-8:15 \$16 and \$1.50 laboratory fee p. 25  
 2-234. Correction of Speech Dialect (2) Emery Th 6:15-8:15 \$16 and \$1.50 laboratory fee p. 25  
 2-567. Principles of Persuasion (2) Beauchamp W 6-8 \$18 p. 25

<sup>1</sup> Given at Wilson Teachers College.

## WRITTEN PRESENTATION

- 2-200. Readable Writing (2) Cowing, Mileham Th 6-8  
\$16 p. 27
- 2-237. Government Printing Procedure (2) Anderson  
Th 6-8 \$16 p. 27
- 2-242. Fiction Writing Workshop (2) Christie M 6-8  
\$16 p. 24
- 2-247. News Writing (2) Fitzpatrick Th 6:30-8:30  
\$16 p. 25
- 2-250. Interpretive Writing on Official Action (2)  
McClarren, Gilstrap M 6:30-8:30 \$16 p. 27
- 2-281. Feature Writing Workshop (2) Christie W 6-8  
\$16 p. 24
- 2-305. Radio-Writing and Speaking (2) Rowell M  
6-8 \$16 and \$1.50 laboratory fee p. 27
- 2-360. Advanced Practice in Editing (2) Edwards  
and Specialists W 6:30-8:30 \$16 p. 26

## FOREIGN LANGUAGES

- 2-253A. Elementary French (3) Seilliere Tu 6-9 \$24  
p. 29
- 2-253B. Elementary French (3) Arnould Tu 6-9 \$24  
p. 29
- 2-254B. Intermediate French (3) Arnould W 6-9 \$24  
p. 29
- 2-255B. French Conversation (2) Seilliere W 6-8 \$16  
p. 29
- 2-259A. Elementary German (3) Ponti M 6-9 \$24  
p. 30
- 2-259B. Elementary German (3) Lederer M-Th 6-7:30  
\$24 p. 30
- 2-260B. Intermediate German (3) Lederer W 6-9  
\$24 p. 30
- 2-60. Elementary Technical German<sup>1</sup> (non-credit)  
Secreton Tu 3:30-5:30 \$16
- 2-295A. Elementary Russian (3) Korenev-Rockwell  
M 6-9 \$24 p. 30
- 2-295B. Elementary Russian (3) \$24 p. 30  
Section I Schuler M 6-9  
Section II Tarakus W 6-9
- 2-296A. Intermediate Russian (3) Tarakus M 6-9  
\$24 p. 30
- 2-296B. Intermediate Russian (3) Saharov Th 6-9  
\$24 p. 30
- 2-299B. Advanced Russian (3) Saharov Tu 6-9 \$24  
p. 30
- 2-300A. Elementary Spanish (3) Johnston W 6-9 \$24  
p. 31
- 2-300B. Elementary Spanish (3) Jaffe Th 6-9 \$24  
p. 31
- 2-301B. Intermediate Spanish (3) Garcia-Tunon Tu  
6-9 \$24 p. 31
- 2-574B. Advanced Spanish Conversation and Litera-  
ture (2) R. Supervia Th 6-8 \$18 p. 31

## LIBRARY SERVICE

- 2-75B. Introduction to Library Techniques (non-  
credit) Daniels Tu 7-9 \$16 p. 28

## MATHEMATICS AND STATISTICS

- 3-104. Trigonometry (2) J. Rhodes M 6-8 \$16 p. 38
- 3-106. Analytic Geometry (2) J. Rhodes Th 6-8  
\$16 p. 38
- 3-206B. Calculus (4) \$32 p. 38  
Section I Greville M-W 6:15-8:15  
Section II<sup>2</sup> Pollin Tu-Th 4:15-6:15  
Section III<sup>1</sup> Jackson M-W-F As arranged

<sup>1</sup> Given at Naval Research Laboratory.

<sup>2</sup> Given at David Taylor Model Basin.



- 3-500B. **Advanced Calculus** (2) Kusner Th 6:30-8:30  
\$18 p. 39
- 3-610B. **Introduction to Nonlinear Mechanics** (2)  
Lancaster M 6-8 \$18 p. 39
- 3-110. **Graphic Methods of Presenting Statistics** (2)  
Hainsworth W 6-8 \$16 p. 40
- 3-126A. **Introductory Statistics** (2) Rauchschalbe  
W 6-8 \$16 p. 40
- 3-126B. **Introductory Statistics** (2) \$16 p. 40  
Section I Larsen W 6:15-8:15  
Section II Purves Tu 6:15-8:15
- 3-127B. **Principles of Statistical Analysis** (3) Stauber  
Tu-Th 6:15-7:45 \$24 p. 40
- 3-340B. **Introduction to Experimental Statistics** (2)  
W. Hendricks Tu 6-8 \$16 p. 40
- 3-318. **Machine Tabulation** (2) Kaufman W 6:30-  
8:30 \$16 p. 40
- 3-319. **Advanced Application of Tabulating Equip-  
ment** (2) Kaufman F 6:30-8:30 \$16 p. 41
- 3-400B. **Introduction to Mathematical Statistics** (3)  
Tepping Tu-F 6:30-8:00 \$27 p. 41
- 3-735B. **Theory of Sample Surveys** (2) Hansen, Hur-  
witz, Steinberg W 7:30-9:30 \$18 p. 41
- 3-752B. **Advanced Theory of Probability** (3) Geisler  
W 6-9 \$27 p. 42
- 3-561. **Advanced Theory of Electronic Digital Com-  
puting Machines** (2) Cannon Tu 6:30-8:30  
\$18 p. 42
- 3-532B. **Survey of Linear Programing** (2) Dantzig  
M 6-8 \$18 p. 43
- 3-435. **Sampling in Social and Economic Surveys** (3)  
Nisselson M 6:15-9:15 \$27 p. 44
- 3-520B. **Government Statistics** (2) Ullman Tu 6:30-  
8:30 \$18 p. 44
- 3-021. **Sampling and Statistical Inference** (non-credit)  
Boddie, Deming Time to be arranged p. 44
- 3-01. **Sampling** (non-credit) Deming and Lecturers  
Time to be arranged p. 44

## PHOTOGRAPHY

- 8-70. **Popular Photography** (non-credit) Matthews  
W 7-9 \$16 p. 114
- 8-131. **Art in Photography II** (2) Ball Tu 6-8 \$16  
p. 114
- 8-192. **Fundamentals of Photography I** (2) Cobb  
M 6-8 \$16 p. 114
- 8-193. **Practice of Photography I** (2) Beales W 6-8  
\$16 and \$3 laboratory fee p. 114
- 8-194. **Fundamentals of Photography II** (2) Shantz  
W 6-8 \$16 p. 115
- 8-195. **Practice of Photography II** (2) Beales M 6-8  
\$16 and \$3 laboratory fee p. 115
- 8-271. **Color Photography II—Printing Techniques** (2)  
Mohr Th 6:30-9:30 \$24 and \$12.50 laboratory  
fee p. 115
- 8-360B. **Portrait Photography** (2) Purdy F 6-8 \$16  
and \$4 laboratory fee p. 115
- 8-011. **Photographic Roundtable** (non-credit) p. 115

## PHYSICAL SCIENCES

- 5-400B. **Advanced Organic Chemistry** (2) Bowen Th  
6-8 \$18 p. 55
- 5-312. **Food Technology—Fruits and Vegetables** (2)  
Beacham M 6:30-8:30 \$16 p. 56
- 5-522B. **Advanced Biochemistry** (2) Hess Th 6-8 \$18  
p. 56
- 5-545. **Alkaloids, Glucosides, and Toxins of Biological  
Importance** (2) Woodard and Specialists  
Tu 6-8 \$18 p. 56
- 5-435. **Elements of Physical Geology** (3) To be an-  
nounced \$27 p. 57



- 5-156. Soil Conservation (2) Steele Th 6:15-8:15 \$16 p. 57
- 5-405. Soils—Their Origin and Geography (3) Niki-  
foroff Tu-Th 6-7:30 \$27 p. 58
- 5-528. Principles of Engineering Alloys (2) Loring  
Tu 6:30-8:30 \$18 p. 58
- 5-162. Weather Survey (2) Haggard W 6-8 \$16  
p. 59
- 5-538. Elements of Dynamic and Synoptic Clima-  
tology (2) Jacobs M 6-8 \$18 p. 59
- 5-533B. Hydrology (3) Kohler Th 6-9 \$27 p. 59
- 5-537B. Weather Analysis and Forecasting (3) Gray,  
Winston Tu 6-10 \$27 and \$4 laboratory fee  
p. 60

## PRACTICAL HOME ECONOMICS

- 8-230. Interior Decoration—I (1) Hensley W 6:30-  
7:30 \$8 p. 111
- 8-231. Interior Decoration—II (1) Hensley W 7:45-  
8:45 \$8 p. 111
- 8-329. Home Gardening (2) Youngman W 6:15-8:15  
\$16 p. 113
- 7-325. Managing Personal Finances (2) Larsen,  
Koebel Tu 6-8 \$16 p. 86

## SHORTHAND

- 4-89. Review of Gregg Shorthand (non-credit) Ste-  
phens Tu-Th 6-7:30 \$24 p. 53
- 4-129. Beginning Gregg Shorthand I (3) Wilkey  
M-W-F 7:10-8:10 \$24 p. 53
- 4-130. Beginning Gregg Shorthand II (3) Wilkey  
M-W-F 6-7 \$24 p. 54
- 4-225. Gregg Shorthand, 60 to 80 Words (3) Morgan  
Tu-Th 6-7:30 \$24 p. 54
- 4-226. Gregg Shorthand, 80 to 100 words (3) Row-  
land M-Th 6-7:30 \$24 p. 54
- 4-231. Gregg Shorthand, 100 to 130 Words (3) Harlin  
M-Th 6-7:30 \$24 p. 54
- 4-335. Introduction to Reporting—Gregg, 130 to 150  
Words (4) Paniczko M-Th 6:30-8:30 \$32  
p. 54
- 4-336. Reporting—Gregg, 150 Words and Up (4)  
Paniczko Tu-F 6:30-8:30 \$32 p. 54

## SOCIAL SCIENCES

### GENERAL ECONOMICS

- 7-201B. Principles of Economics (3) Burroughs W 6-9  
\$24 p. 84
- 7-418. Public Finance and Taxation (2) Haygood  
W 6-8 \$18 p. 85
- 7-480B. Money and Banking (2) Radford Th 6:30-  
8:30 \$18 p. 85
- 7-706. Modern Economic Thought (3) Allin, Cavin  
Th 6-9 \$27 p. 85

### AGRICULTURAL ECONOMICS

- 7-409. Farm Management (2) Goodsell M 6-8 \$18  
p. 88
- 7-719. Resource Utilization Problems and Policies (2)  
V. Johnson, Josephson M 6-8 \$18 p. 88
- 7-720. Economics of Production (3) S. Johnson and  
Associates Tu 6-9 \$27 p. 89
- 7-414B. Economics of Marketing (2) Southworth, Tre-  
logan W 6-8 \$18 p. 89
- Lectures on Agricultural Marketing p. 90
- 7-530B. Methods of Price Analysis (2) Been, Walsh  
W 6-8 \$18 p. 89

## COOPERATIVE EXTENSION EDUCATION

- 7-596. Development of Programs (2) Hearne To be  
arranged \$18 p. 92

## HUMAN RELATIONS

- 7-105. Introduction to the Study of Human Relations (2) Longmore M 6-8 \$16 p. 94
- 7-210. General Psychology (3) Baker, Limburg Tu 6-9 \$24 p. 94
- 7-215. General Sociology (3) Longmore, Raper Th 6-9 \$24 p. 94
- 7-220. Introduction to Cultural Anthropology (3) Clements Tu 6-9 \$24 p. 94
- 7-465. Views of Man and Society in the American Tradition (3) Brewster Th 6-9 \$27 p. 95
- 7-400. Introduction to General Semantics (2) Saunders W 7:30-9:30 \$18 p. 95
- 7-470B. Applications in General Semantics (1) Saunders Th 7:30-9:30 (every other week) \$9 p. 95
- 7-426. Urban Sociology (3) Raper Tu 6-9 \$27 p. 96
- 7-433. Social Psychology (3) Ensminger M 6-9 \$27 p. 96
- 7-442. Personality Disorders (2) Cornsweet W 6-8 \$18 p. 96
- 7-516. The Cultural Regions of the United States (3) Taylor, Raper M 6-9 \$27 p. 98

## POPULATION

- 7-446. Labor Force and Manpower Analysis (3) Ducoff Th 6-9 \$27 p. 97
- 7-449. Population Statistics II: Intermediate Methods and Applications (3) Hagood Tu 6-9 \$27 p. 97

## HISTORY AND INTERNATIONAL RELATIONS

- 7-251. American History since 1865 (3) Rasmussen Th 6-9 \$24 p. 99
- 7-320. American Foreign Relations, Policies and Practices (3) N. Johnson Tu 6-9 \$27 p. 101

## TRANSPORTATION

- 7-462. Traffic Management (2) Perrin Tu 6-8 \$18 p. 103
- 7-510. Transportation Research—Materials and Techniques (2) Church Tu 6-8 \$18 p. 103

## TECHNOLOGY

### ENGINEERING

- 8-325. Basic Mechanical Drawing II (2) Wiemer Th 6-10 \$24 and \$3 laboratory fee p. 112
- 8-341. Architectural Drafting II (2) Wiemer M 6-10 \$24 and \$2.50 laboratory fee p. 112
- 8-343. Architectural Drafting IV (2) Wiemer M 6-10 \$24 and \$2.50 laboratory fee p. 112
- 8-702B. Electric Utility Engineering (2) Jessel, Thomas M 6-8 \$18 p. 106
- 8-560. Fundamentals of Telephony (2) Neikirk Tu 6:30-8:30 \$18 p. 106

### SURVEYING AND MAPPING

- 8-216. Ground Methods of Topographic Surveying (3) Rappleye, Parkin M 6-8 (Field work on 4 Saturdays as arranged) \$24 and \$1 laboratory fee p. 108
- 8-213. Photogrammetry II (2) Higginson W 7-9 \$16 p. 109
- 8-125. Introduction to Cartography (2) S. M. Johnson W 6:30-8:30 \$16 p. 109
- 8-223. Cartography II—Map Projections and Grid Systems (2) Fonfara Th 6:30-8:30 \$16 p. 110
- 8-240. Methods of Map Reproduction (2) Delaney and Specialists W 7-9 \$16 p. 110